HW#27H: Complex Area & Perimeter

Honors Geometry

Due Date: Wednesday, Oct. 29th

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

**Failure to show work on all problems or use complete sentences will result in a LaSalle.**

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| --- | --- |
| 1) If all the angles in the figure shown below are right angles and each dimension given is in centimeters, then what is the area of the figure, in square centimeters? | 2) The perimeter of a rectangle is 108 inches. The length is 2 times as long as the width. Find the area of the rectangle. |
| 3) A circle is inscribed within a square such that the edges of the circle touch each of the four sides of the square. If the area of the square is 36 square inches, what is the area of the circle? | 4) |
| 5) | 6) |

***GRASP***

*ABCD* is a square with a side length of 9 units. If the ratio of *CD*:*CE* is 2:5, what is the area of ?

9

*A*

*E*

*D*

*C*

*B*

G

R

A

S

P